

# RI 305 DW

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## Rapid Imaging 305 DW

**The World's first processor with double washout area for digital flexographic plates up to 36x48 inches.**

The Concept 305 DW (Digital Washer) represents the state-of-the-art of the washing units for medium size plates up to 36 x 48 inches / 92 x 120 cm. The unit works with any kind of plate and is equipped with a unique system to process the digital plates. Concept 305 DW has two separate tanks for the solvent. One, which is dedicated to the pre-washer section, collects the solvent used to remove the mask layer of the digital plate. The other tank is for the washing section and is used only with non-contaminated solvent. The efficient movement of the brushes allows high speed processing time and a perfect result for each plate.

Features	Advantages
Pre-washer section, to remove the mask layer of the digital plates.	The solvent used during the pre-washer section is collected into a dedicated tank. The solvent for the washout section is non-contaminated by residue of layer and/or carbon.
Rotating brushes with oscillating movement in opposing directions.	The opposition of this particular movement of the brushes reduces the processing time and eliminates any kind of movement of the plate when in contact with the brushes. This ensures a perfect and stable position of the plate, thus optimizing the mechanical action of the brushes and making the whole process reach a higher speed.
A simple locking system allows the removal of the brushes without requiring any kind of tool.	Easy and immediate access to the brushes, simplifying maintenance and cleaning operations.
Integrated solvent density meter in the unit's hydraulic circuit.	This device measures the percentage of polymer present in the washing solvent, topping it off with fresh solvent when the values exceed the setup values. As a result the machine always works with controlled saturated solvent, thereby obtaining greater accuracy in the process, producing an excellent result.

### FEATURES:

- . Double and independent hydraulic system for the pre-washing section (to remove the mask layer) and for the wash-out of the plate.
- . Automatic in-process plate washing and cleaning.
- . PLC controlled, 20 memory channels.
- . Routine maintenance program.
- . Easy-to-use touchscreen display.
- . Rotating brushes with oscillating movement in opposing directions.
- . Automatic pneumatic plate feed-in.
- . Rotating brushes gear driven.
- . Integrated heater-chiller for solvent temperature control.
- . Solid content measurement device and automatic solvent replenishment.
- . Integrated solvent fume extraction system.
- . Delivered with 2 pin bars and an external punch.

"EXCLUSIVELY" offered by JV Imaging Solutions

The very first processor dedicated to digital and analog flexo plates



### SPECIFICATIONS

#### Dimensions (WxLxH):

67 x 150 x 38 in (170 x 382 x 97cm)

#### Weight:

2358 lbs. (1070 kg)

#### Power supply:

400V 3PH +N / 230V 3Ph - 50/60 Hz  
8.5 kW - 13/24A

#### Maximum plate size:

36 x 48 inches / 92 x 120 cm

#### Plate thickness:

Up to 0.276 inches (7 mm)

#### Air extraction:

300 m<sup>3</sup>/h

#### Compressed air supply:

6 bar minimum



For more information, please contact us at:

1257 f Kennestone Circle, Marietta, GA 30066

p 770.420.4006 \* 800.464.2931 \* f 770.420.2952

www.jvisinc.com

